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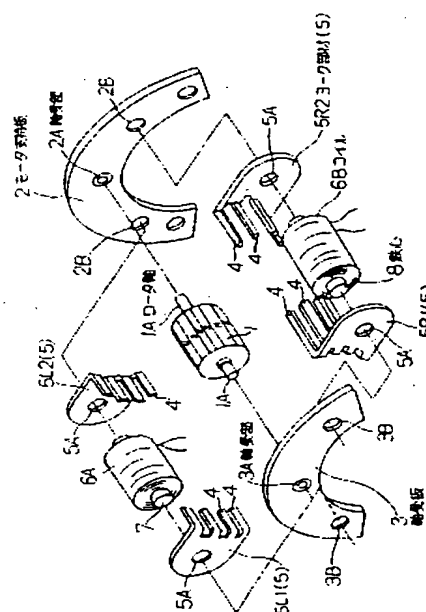
APPLICATION DATE : 20-11-87
APPLICATION NUMBER : 62293171

APPLICANT : CANON ELECTRON INC;

INVENTOR : YOSHIKAWA HIROYUKI;

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TITLE : STEPPING MOTOR



ABSTRACT : PURPOSE: To improve the starting efficiency and the control function and to make it compact and lightweight by placing yoke members equipped with stator teeth and an electromagnetic coil on both sides of a multipolar anisotropic orientation magnet rotor 1 having a dichroic construction in opposite directions.

CONSTITUTION: An anisotropic orientation resin magnet rotor 1 having a dichroic construction is such that its periphery is formed of a resin magnet material with a thickness of $1/2 \sim 1/3$ of a pitch between poles, and that its inside is made of thermoplastic resin. Yoke members $5L_1$, $5L_2$, $5R_1$, $5R_2$ equipped with stator teeth 4 are placed on both sides of the rotor 1 in opposite directions. Electromagnetic coils 6A and 6B to generate magnetic field at the stator teeth 4 are mounted on yoke members $5L_1$, $5L_2$, $5R_1$ and $5R_2$.

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